

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P694761

Luminaire Tested: **LXF.LXT-PA16-30-727-U-5WQ-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-727-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3243 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short  
BUG Rating: B2 - U3 - G2

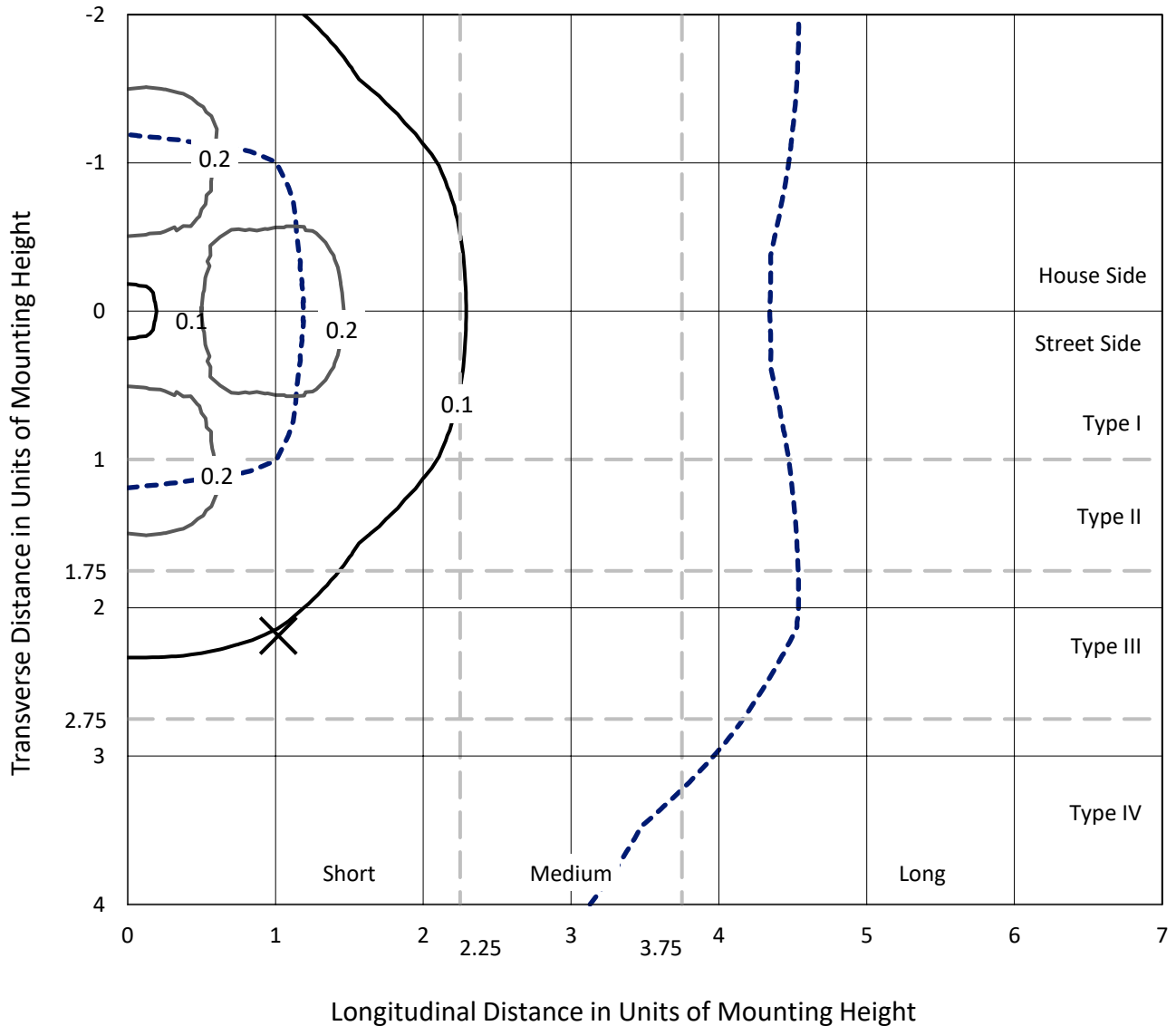
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

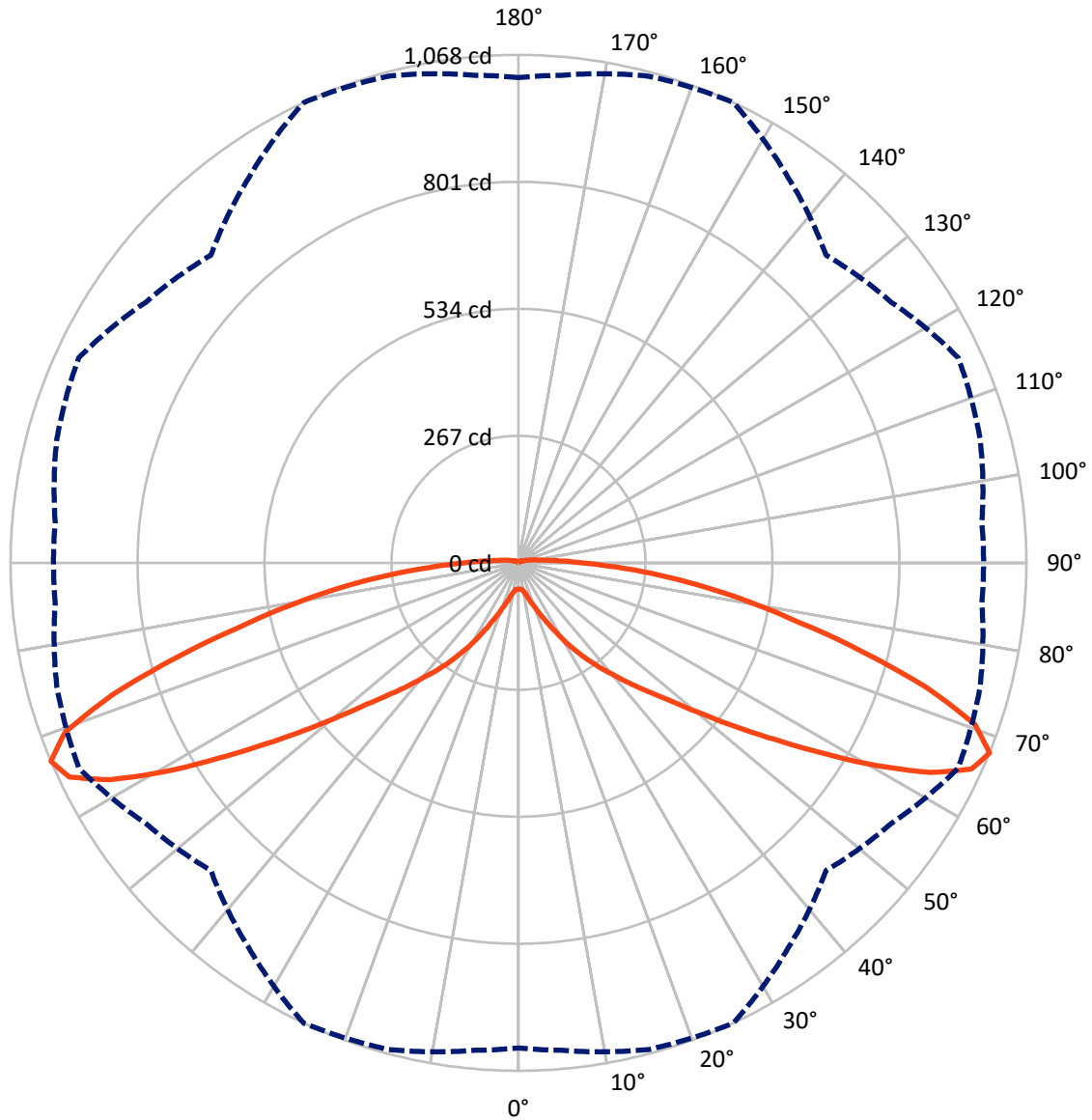
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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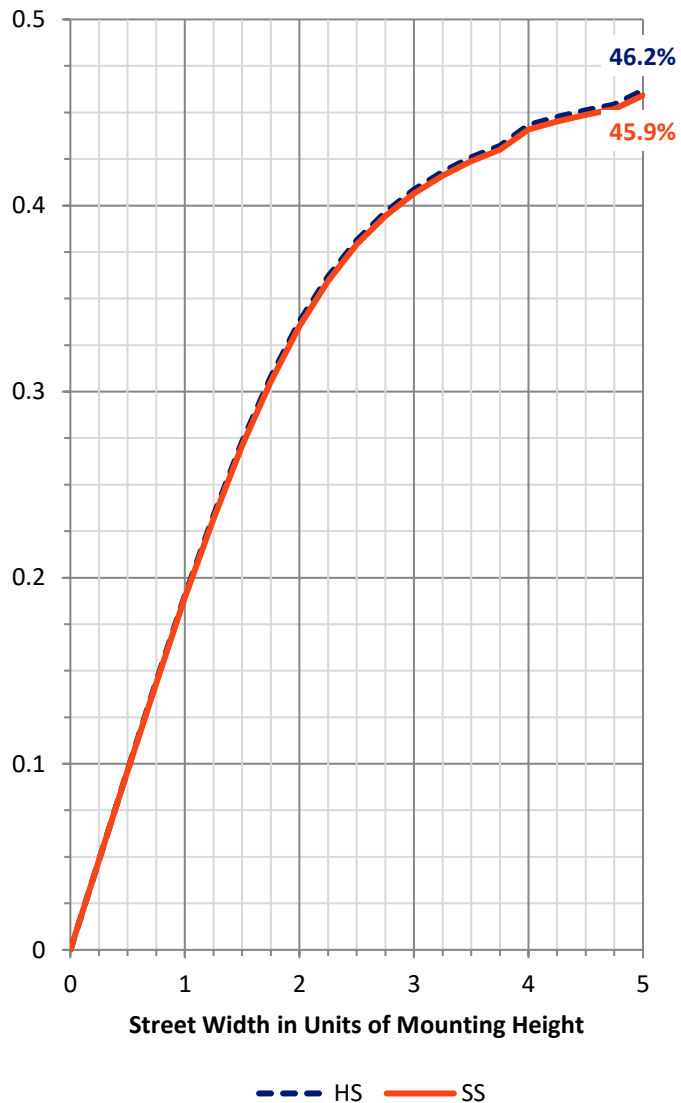
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1563.2	58.3	1621.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	1563.2	58.3	1621.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	3126.5	116.6	3243.0
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.5	0.2
10°-20°	22.8	0.7
20°-30°	67.8	2.1
30°-40°	162.6	5.0
40°-50°	305.4	9.4
50°-60°	580.0	17.9
60°-70°	941.6	29.0
70°-80°	739.3	22.8
80°-90°	301.5	9.3
90°-100°	73.5	2.3
100°-110°	23.1	0.7
110°-120°	9.8	0.3
120°-130°	5.3	0.2
130°-140°	3.2	0.1
140°-150°	1.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3126.5	96.4
0°-180°	3243.0	100.0

**Coefficient of Utilization**



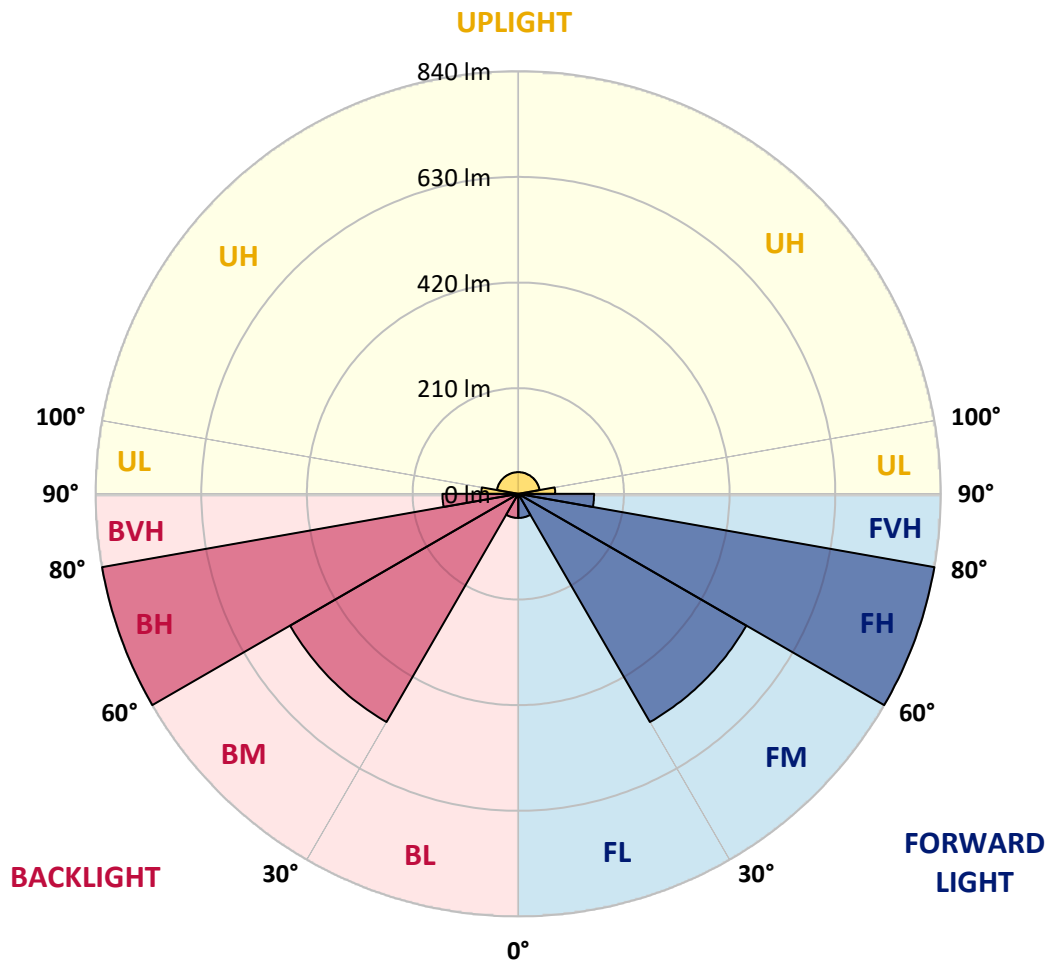
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	48.1	1.5			
FM (30°-60°)	524.0	16.2			
FH (60°-80°)	840.4	25.9			G1/1800
FVH (80°-90°)	150.8	4.6			G2/225
BL (0°-30°)	48.1	1.5	B0/110		
BM (30°-60°)	524.0	16.2	B1/1000		
BH (60°-80°)	840.4	25.9	B2/1000		G1/1800
BVH (80°-90°)	150.8	4.6			G2/225
UL (90°-100°)	73.5	2.3		U3/500	
UH (100°-180°)	43.1	1.3		U2/50	

**BUG Rating: B2-U3-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	54.4	54.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
5°	55.5	55.5	55.5	55.5	56.6	56.6	56.6	55.5	55.5	55.5	55.5
7.5°	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
10°	62.0	62.0	60.9	62.0	60.9	60.9	60.9	59.8	60.9	60.9	60.9
12.5°	69.6	69.6	68.5	67.4	66.4	65.3	65.3	65.3	66.4	67.4	67.4
15°	80.5	80.5	79.4	77.2	74.0	72.9	74.0	75.1	76.1	78.3	78.3
17.5°	93.6	93.6	91.4	88.1	84.9	83.8	84.9	87.0	89.2	91.4	92.5
20°	109.9	108.8	106.6	101.2	97.9	96.8	97.9	100.1	104.4	107.7	107.7
22.5°	129.5	129.5	125.1	118.6	113.1	112.0	112.0	117.5	122.9	128.4	129.5
25°	153.4	154.5	147.9	138.2	131.6	128.4	130.5	138.2	147.9	154.5	156.6
27.5°	184.9	183.8	175.1	162.1	151.2	145.8	151.2	162.1	176.2	183.8	187.1
30°	217.6	217.6	206.7	190.4	174.1	167.5	175.1	189.3	206.7	218.7	220.8
32.5°	250.2	250.2	237.1	219.7	199.1	189.3	199.1	221.9	244.8	260.0	263.3
35°	285.0	287.2	270.9	249.1	224.1	214.3	226.3	254.6	283.9	300.2	301.3
37.5°	313.3	313.3	302.4	280.7	250.2	238.2	254.6	292.6	323.1	337.2	341.6
40°	350.3	351.4	338.3	311.1	279.6	265.4	286.1	325.3	349.2	355.7	357.9
42.5°	388.4	389.4	378.6	349.2	310.0	294.8	315.5	350.3	372.0	381.8	385.1
45°	424.3	427.5	416.6	388.4	347.0	325.3	343.8	382.9	411.2	422.1	425.3
47.5°	472.1	477.6	465.6	436.2	388.4	362.2	381.8	430.8	464.5	473.2	473.2
50°	528.7	534.1	529.8	498.2	440.6	407.9	435.1	489.5	524.3	536.3	535.2
52.5°	603.7	605.9	601.6	572.2	505.8	465.6	495.0	561.3	595.0	590.7	596.1
55°	682.1	687.5	690.8	657.0	586.3	536.3	576.5	641.8	666.8	669.0	667.9
57.5°	776.7	785.4	782.1	756.0	675.5	623.3	663.6	727.8	763.7	761.5	766.9
60°	877.9	882.2	890.9	865.9	786.5	715.8	760.4	835.4	858.3	842.0	844.1
62.5°	959.5	966.0	981.2	971.4	886.6	810.4	857.2	918.1	931.2	914.9	918.1
65°	1024.7	1030.2	1054.1	1046.5	963.8	885.5	929.0	991.0	994.3	970.3	968.2
67.5°	1020.4	1029.1	1059.5	1068.2	988.8	914.9	956.2	1020.4	1005.1	978.0	978.0
70°	948.6	949.7	986.7	1018.2	946.4	877.9	925.7	971.4	957.3	925.7	921.4
72.5°	814.8	827.8	870.3	897.5	850.7	796.3	825.7	870.3	823.5	780.0	776.7
75°	658.1	656.0	695.1	747.3	723.4	677.7	712.5	722.3	679.9	642.9	634.2
77.5°	525.4	529.8	563.5	603.7	599.4	570.0	579.8	588.5	550.4	511.3	509.1
80°	418.8	418.8	460.1	486.3	487.3	475.4	477.6	472.1	431.9	406.8	402.5
82.5°	313.3	315.5	343.8	377.5	399.2	396.0	388.4	372.0	339.4	312.2	311.1
85°	213.2	217.6	241.5	278.5	310.0	317.6	313.3	276.3	236.1	209.9	206.7
87.5°	140.3	143.6	157.7	187.1	228.4	249.1	231.7	191.5	157.7	143.6	139.2
90°	94.6	96.8	105.5	121.8	159.9	181.7	162.1	126.2	103.3	93.6	93.6
92.5°	64.2	65.3	71.8	82.7	107.7	126.2	108.8	83.8	69.6	63.1	62.0
95°	43.5	44.6	49.0	56.6	74.0	84.9	74.0	55.5	49.0	44.6	43.5
97.5°	33.7	34.8	37.0	41.3	52.2	58.7	51.1	41.3	37.0	34.8	33.7
100°	27.2	27.2	30.5	32.6	38.1	42.4	38.1	31.5	29.4	27.2	27.2
102.5°	21.8	22.8	23.9	26.1	30.5	33.7	30.5	25.0	22.8	21.8	21.8
105°	17.4	17.4	18.5	20.7	23.9	26.1	23.9	20.7	18.5	17.4	16.3
107.5°	14.1	13.1	15.2	17.4	19.6	21.8	19.6	16.3	14.1	13.1	13.1
110°	10.9	10.9	12.0	14.1	16.3	17.4	16.3	13.1	12.0	10.9	10.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.7	8.7	9.8	10.9	14.1	15.2	13.1	10.9	9.8	8.7	8.7
115°	7.6	7.6	7.6	9.8	12.0	13.1	12.0	8.7	7.6	7.6	7.6
117.5°	6.5	6.5	6.5	7.6	9.8	10.9	9.8	7.6	6.5	6.5	6.5
120°	6.5	6.5	6.5	6.5	8.7	9.8	8.7	6.5	6.5	6.5	6.5
122.5°	5.4	5.4	5.4	6.5	7.6	8.7	7.6	6.5	5.4	5.4	5.4
125°	5.4	5.4	5.4	5.4	6.5	7.6	6.5	5.4	5.4	5.4	5.4
127.5°	4.4	4.4	4.4	5.4	6.5	6.5	6.5	5.4	4.4	4.4	4.4
130°	4.4	4.4	4.4	4.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4
132.5°	4.4	4.4	4.4	4.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4
135°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
137.5°	3.3	3.3	3.3	3.3	3.3	4.4	3.3	3.3	3.3	3.3	3.3
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
142.5°	3.3	3.3	2.2	2.2	3.3	3.3	2.2	2.2	2.2	3.3	3.3
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	1.1	1.1	1.1	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)